

1/14

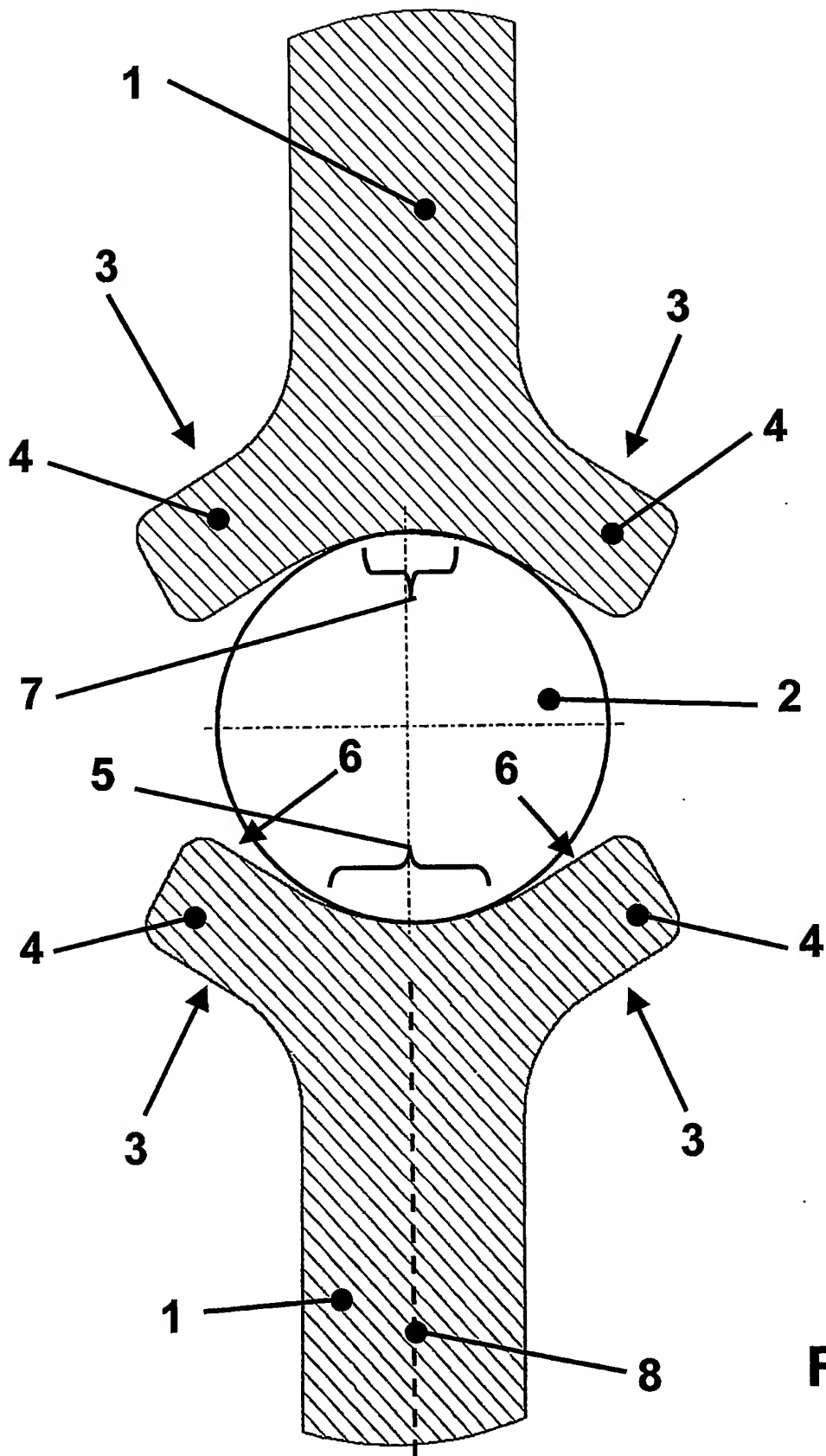


Fig. 1

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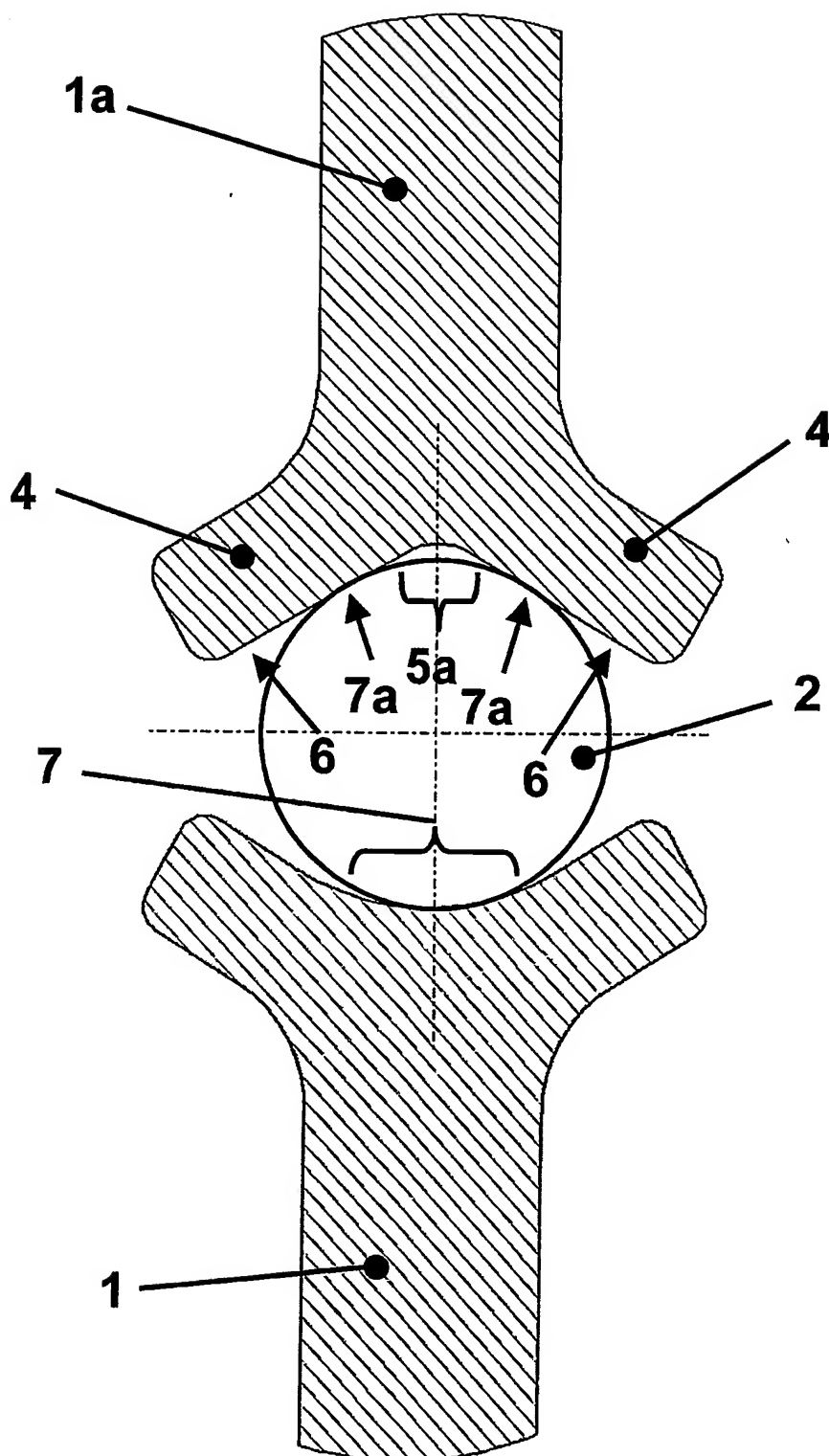


Fig. 2

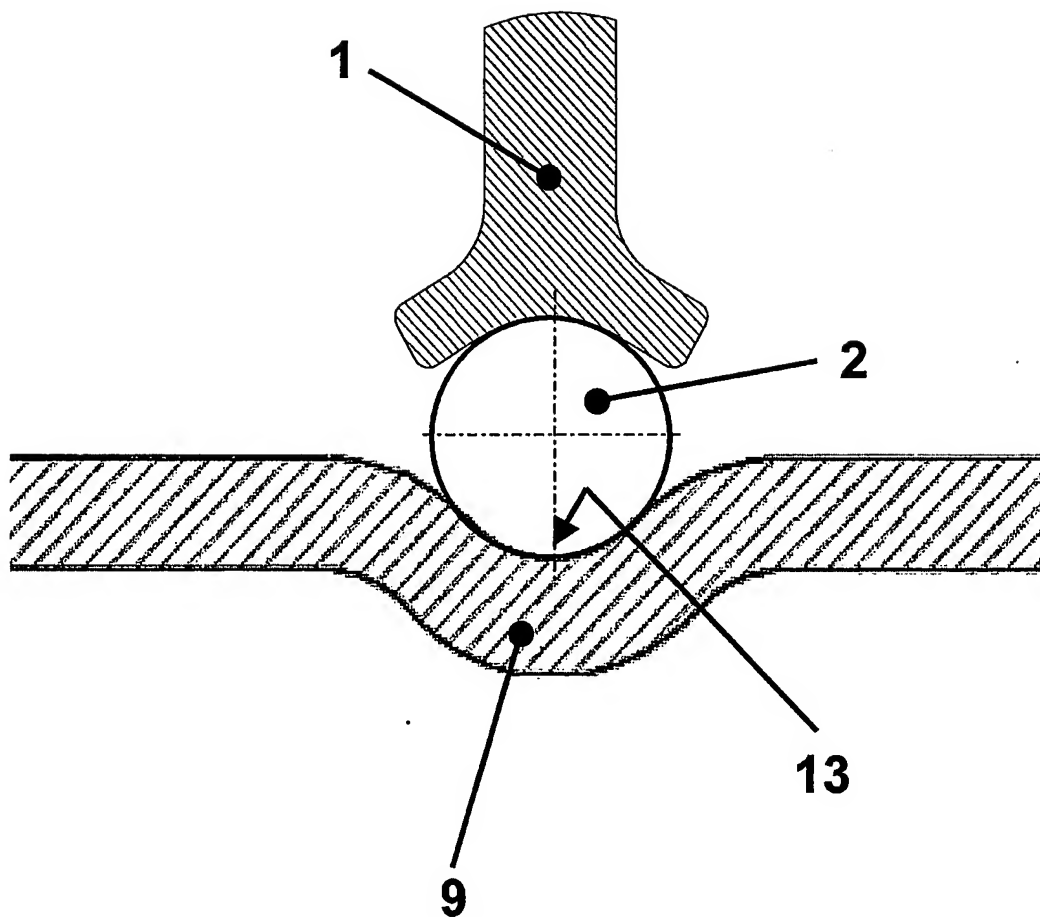


Fig. 3

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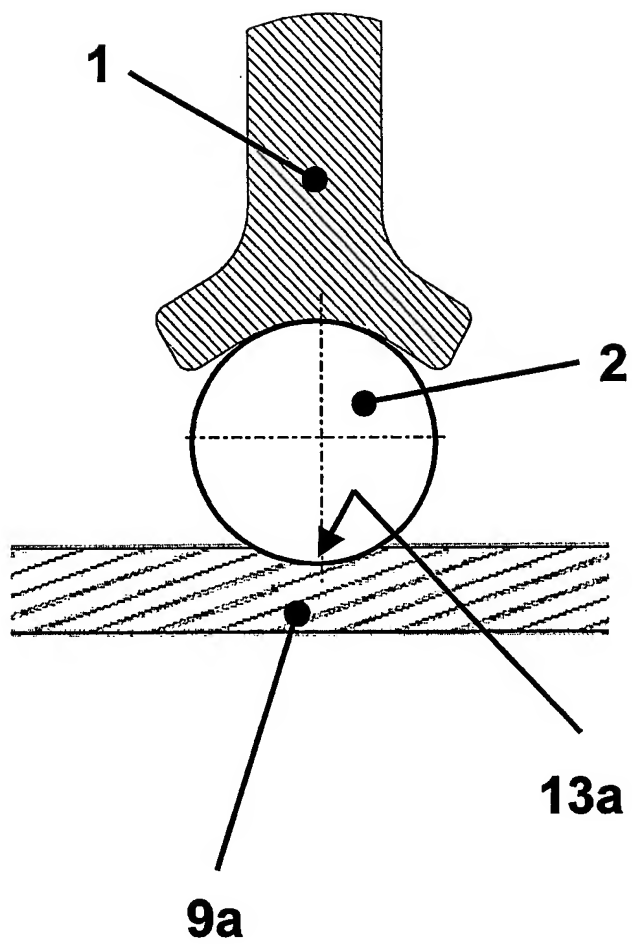


Fig. 4

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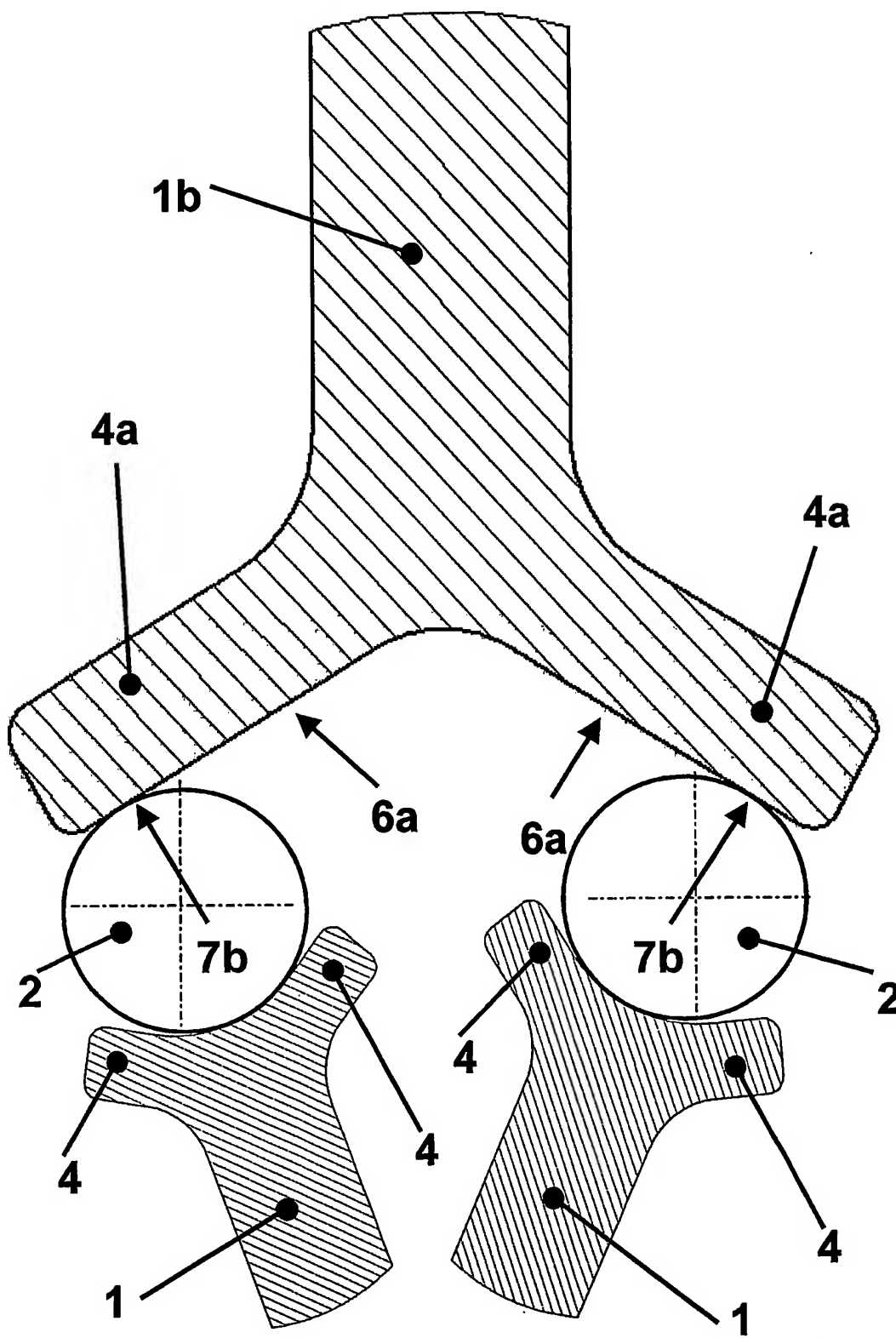


Fig. 5

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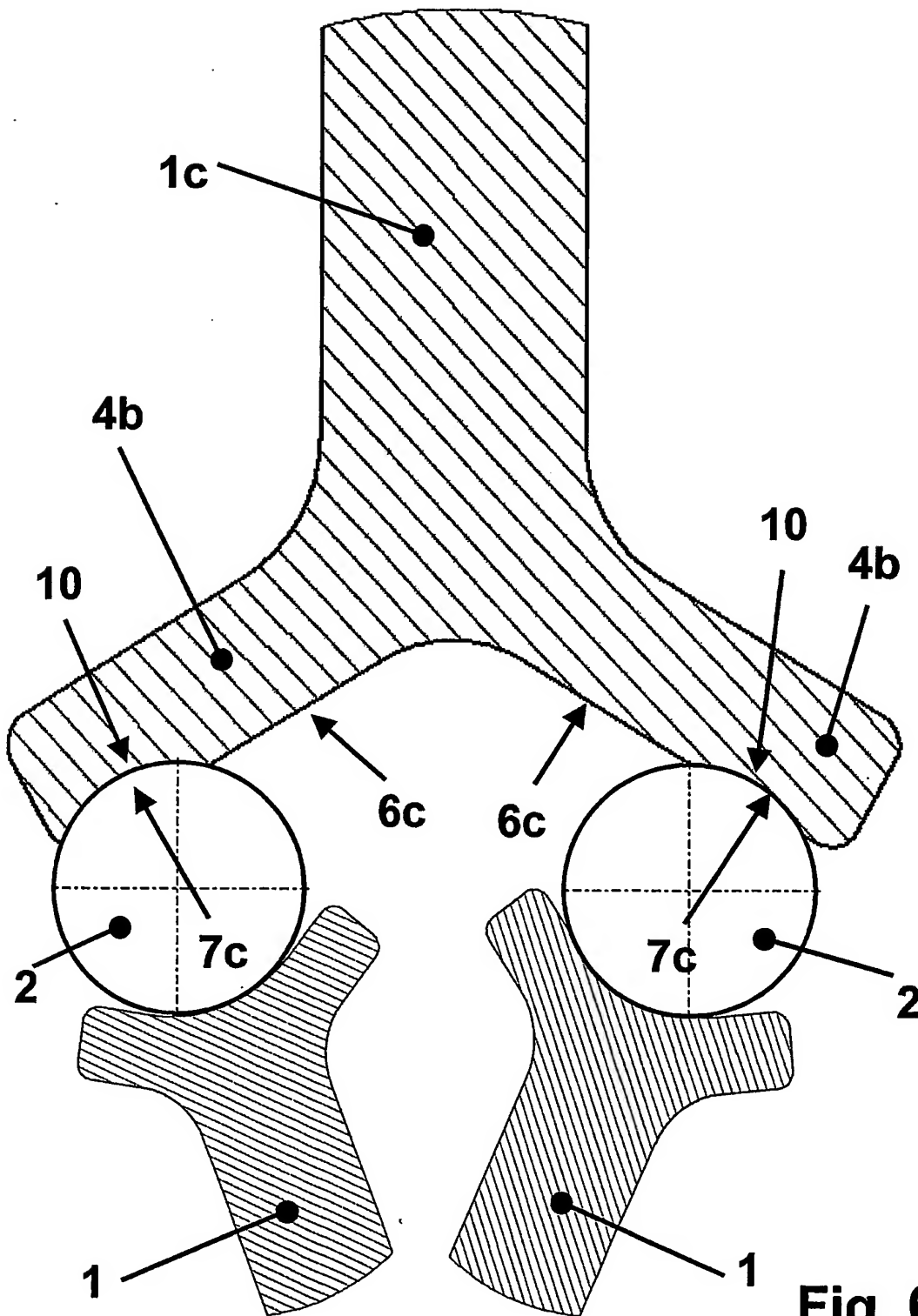


Fig. 6

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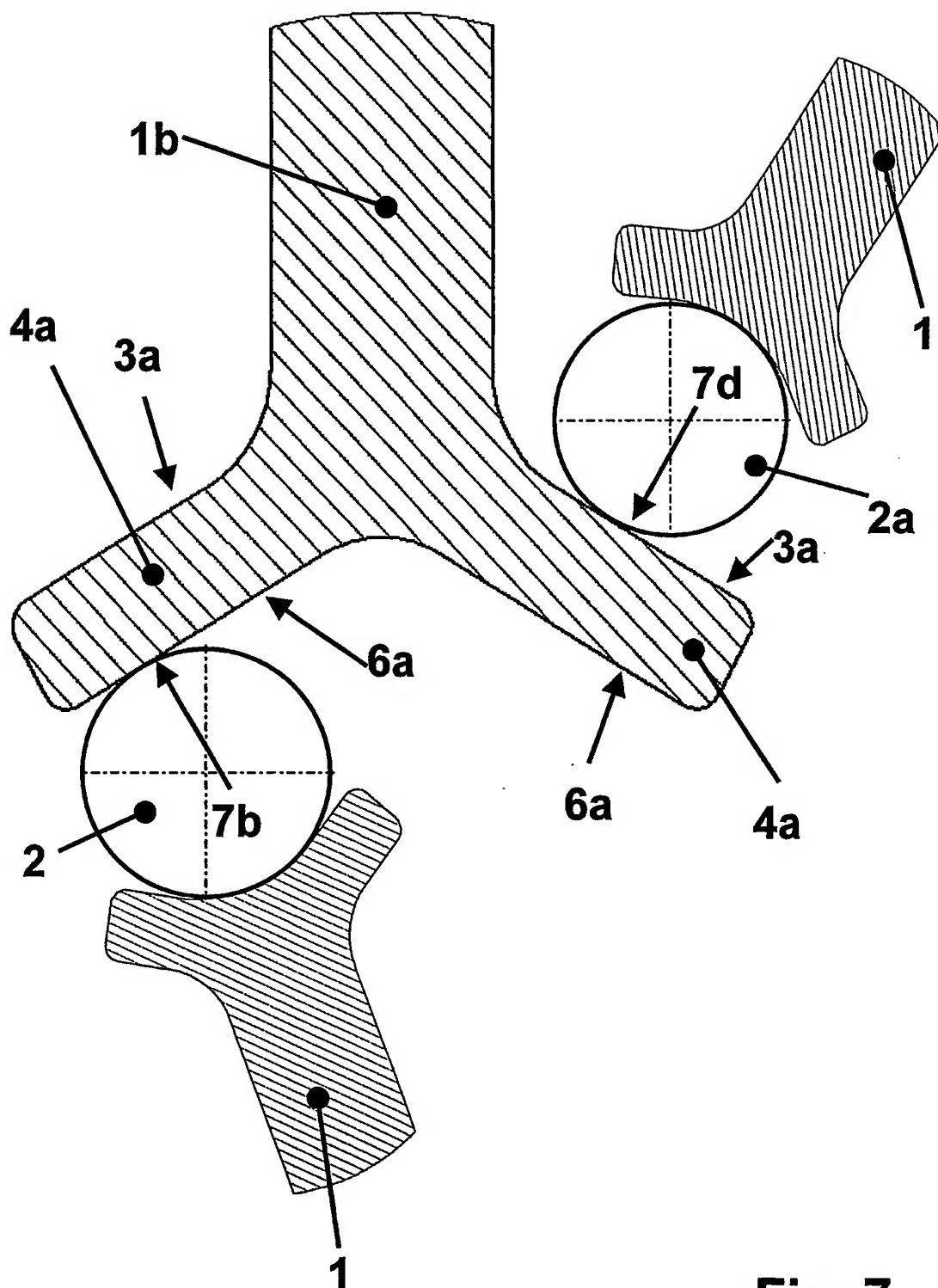


Fig. 7

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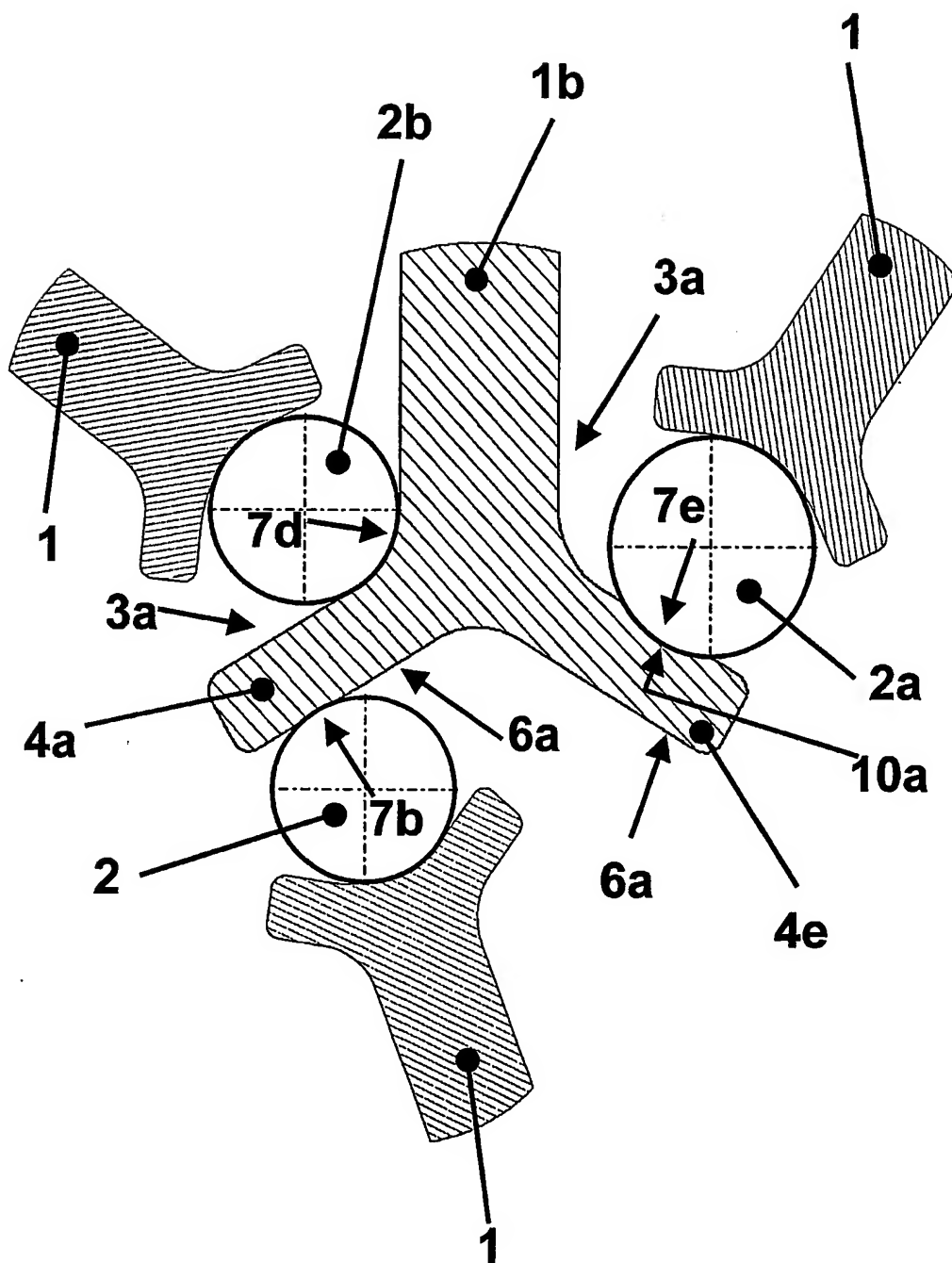


Fig. 8

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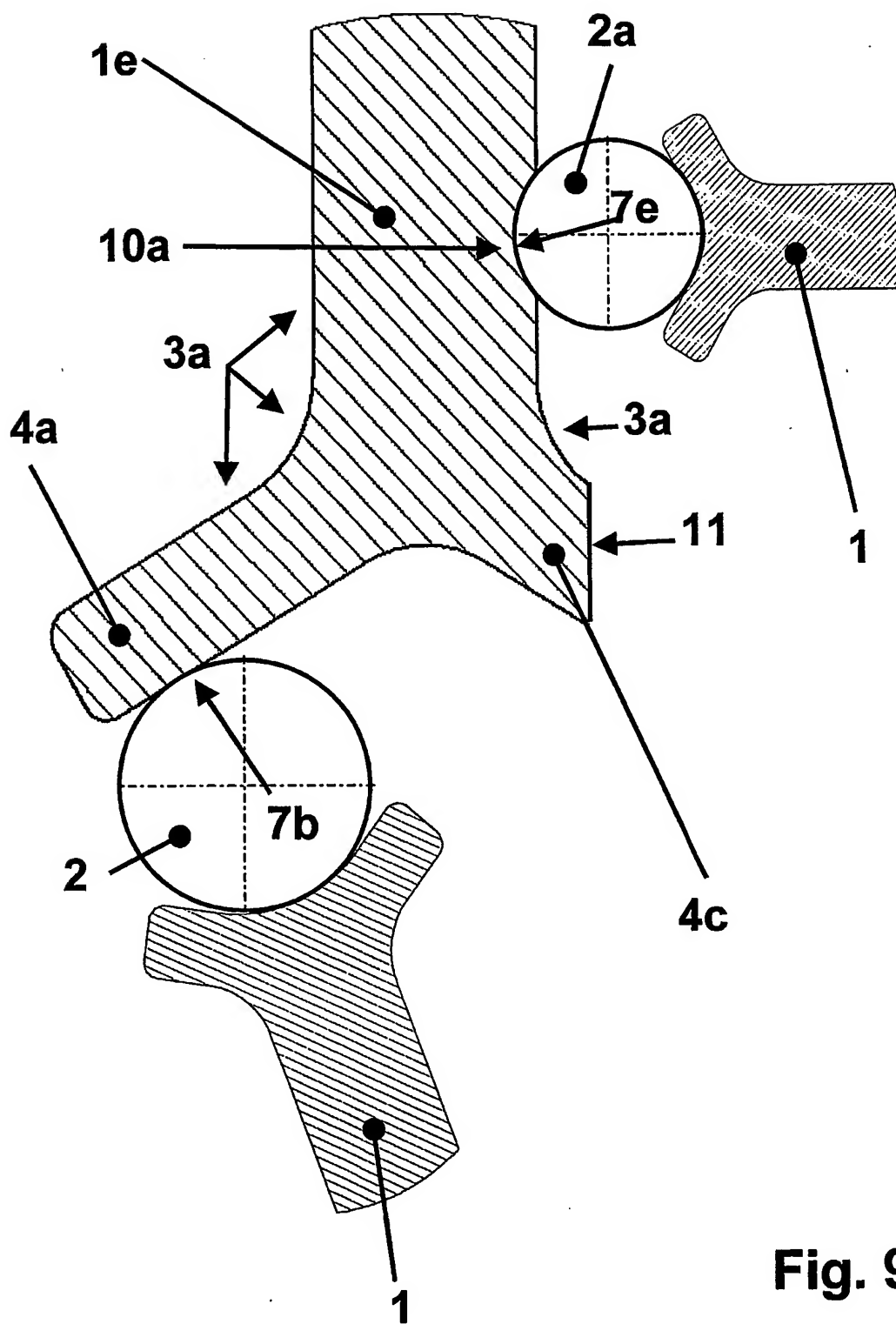


Fig. 9

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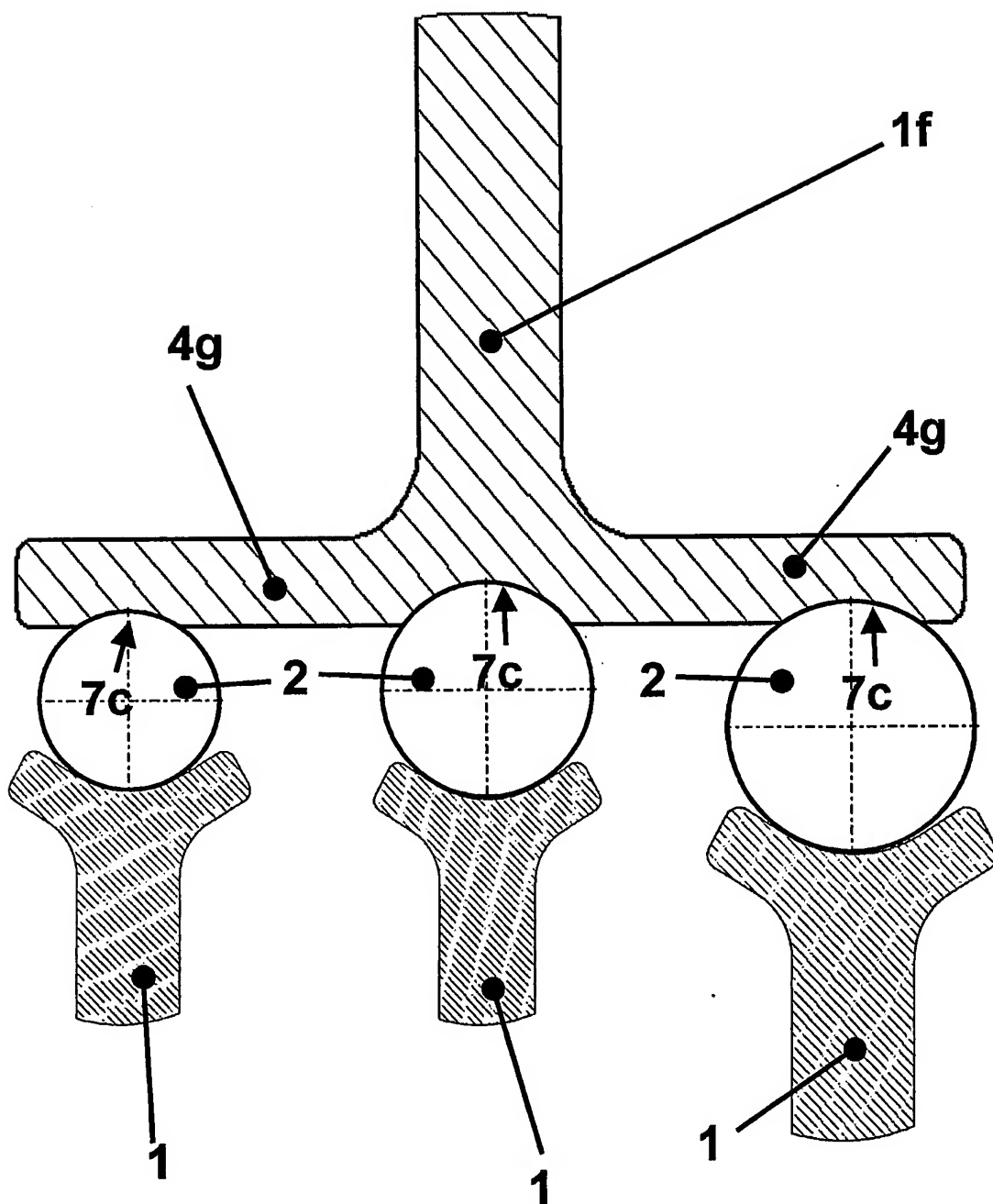


Fig. 10

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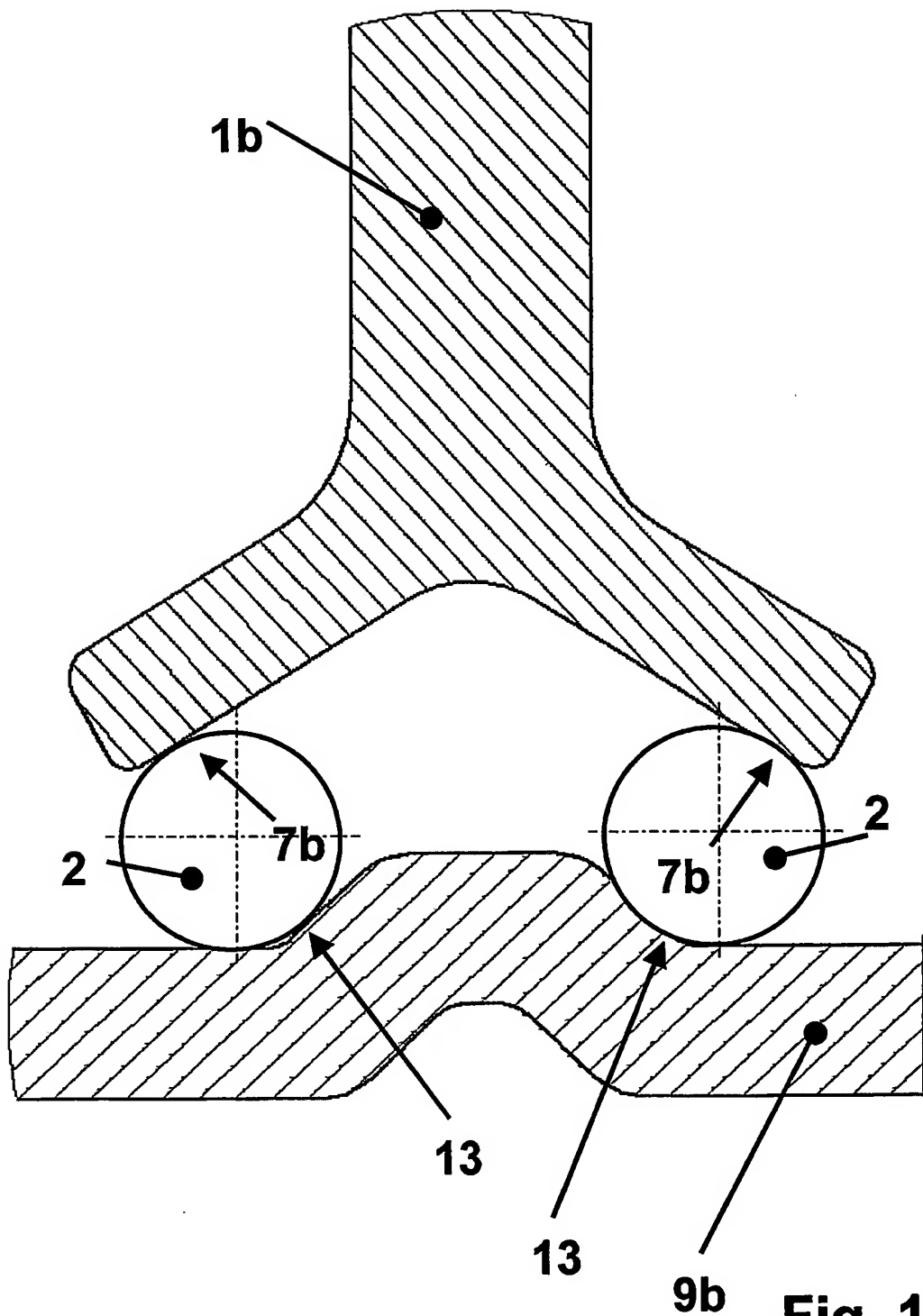


Fig. 11

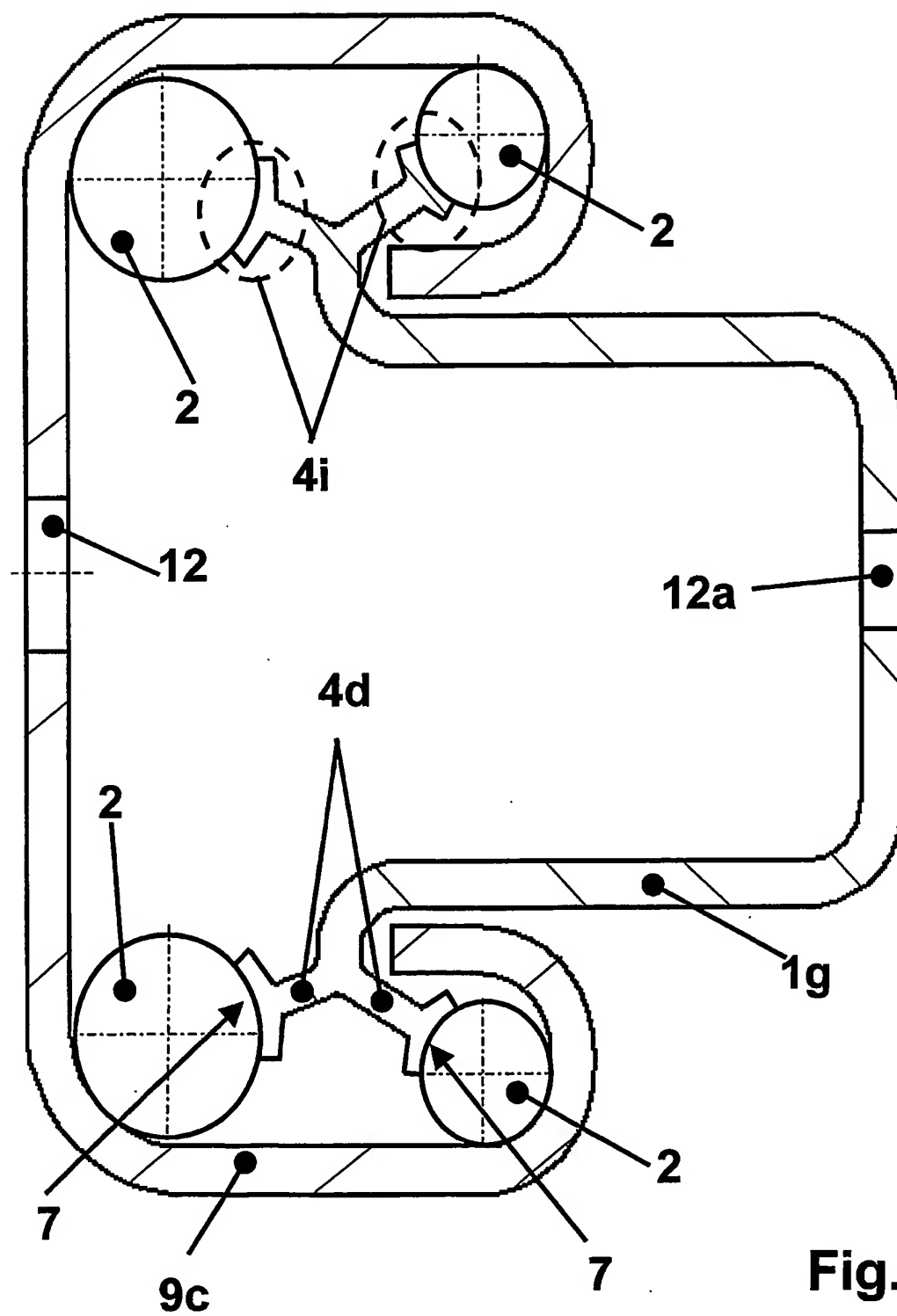


Fig. 12

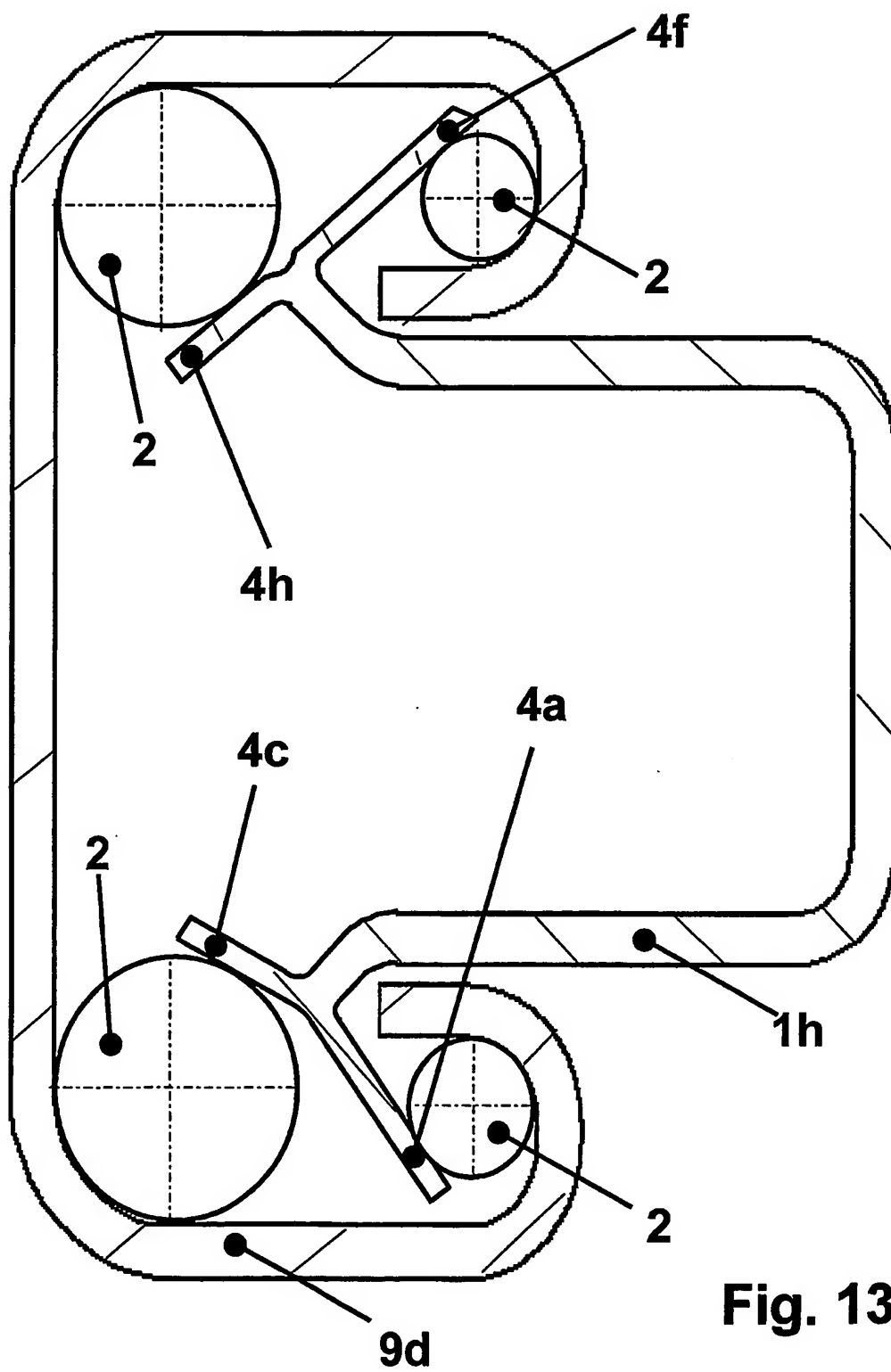


Fig. 13

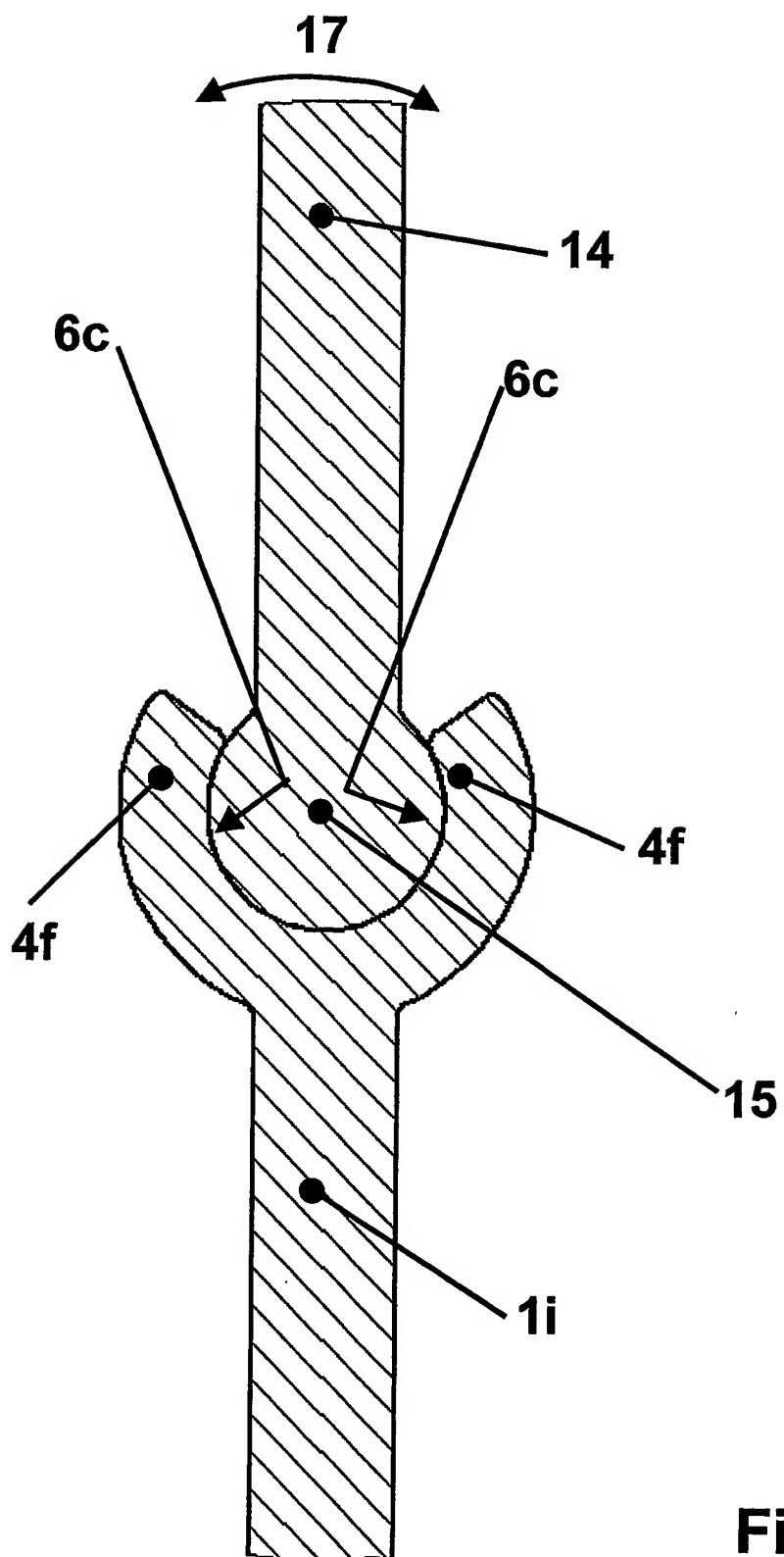


Fig. 14

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/DE 03/03191

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F16C29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16C B21D A47B B60N B21B B21H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 24 31 935 A (LEIFELD & CO) 22 January 1976 (1976-01-22) the whole document	1-7
X	US 4 293 168 A (TIMMER HENDRIKUS J M) 6 October 1981 (1981-10-06) column 2, line 30 - line 33; figure 1	1-6
X	FR 2 261 459 A (BIGET LUCIEN) 12 September 1975 (1975-09-12) page 3, line 3 - line 9; figure 3	1,7
A	DE 100 39 768 A (GROCHE PTU TU DARMSTADT PETER) 28 February 2002 (2002-02-28) cited in the application the whole document	1,7,8
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

25 February 2004

Date of mailing of the international search report

02/03/2004

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/D/03191

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 40 00 602 A (WINKELMANN & PANNHOFF GMBH) 18 July 1991 (1991-07-18) column 3, line 34 - line 38; figures 1A-1D	7,8
A	GB 1 004 230 A (TERNES STEEL COMPANY) 15 September 1965 (1965-09-15)	

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Information on patent family members

International Application No

PCT/DE/03191

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PCT/DE/03191

Seite 1 von 2

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International Aktenzeichen
PCT/D/03191

C.(Fortsetzung) ALS WESENTLICH ANGESEHENE UNTERLAGEN

Kategorie*	Bezeichnung der Veröffentlichung, soweit erforderlich unter Angabe der in Betracht kommenden Teile	Betr. Anspruch Nr.
A	DE 40 00 602 A (WINKELMANN & PANNHOFF GMBH) 18. Juli 1991 (1991-07-18) Spalte 3, Zeile 34 - Zeile 38; Abbildungen 1A-1D	7,8
A	GB 1 004 230 A (TERNES STEEL COMPANY) 15. September 1965 (1965-09-15)	

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Angaben zu Veröffentlichung für selben Patentfamilie gehören

Internationale Patentnummer
PCT/DE 91/03191

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